



## Gulf of Mexico Harmful Algal Bloom Bulletin

11 March 2008

NOAA Ocean Service

NOAA Satellites and Information Service

Last bulletin: March 4, 2008

### Conditions Report

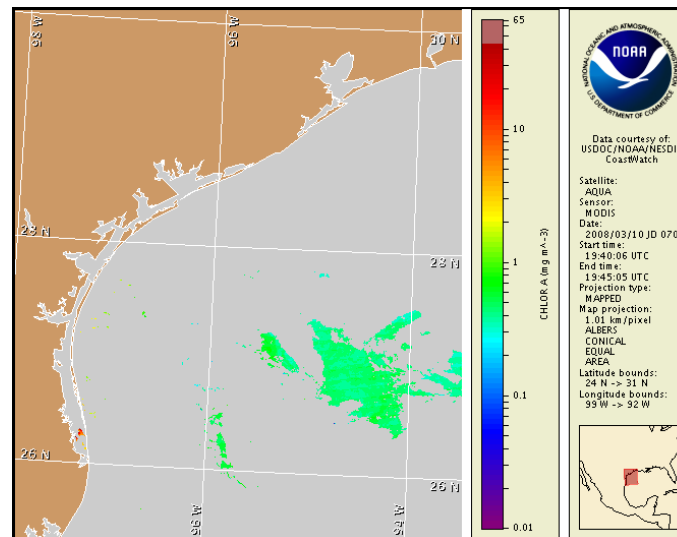
There have been confirmed reports of a harmful algal bloom around Corpus Christi, Aransas and Copano Bays which has resulted in the closure of shellfish beds in those areas.

### Analysis

No clear imagery for past week however bloom of Dinophysis has been reported by Texas Parks and Wildlife Department which has resulted in shellfish bed closures around Corpus Christi, Aransas and Copano Bays. Blooms of this type are not known to produce respiratory impacts.

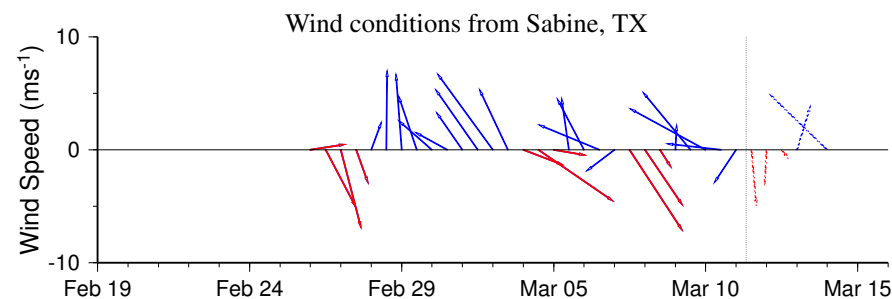
Dinophysis blooms are rare in the US and we do not have a standard for monitoring with remote sensing. In addition, the Texas coast has been affected by numerous low pressure systems that have produced extensive resuspension and turbidity. We will assess imagery and conditions in order to determine if more information can be provided on this event.

Jewett, Stumpf



Satellite chlorophyll image with possible HAB areas shown by red polygon(s). Cell concentration sampling data from March 3 to 10 shown as red (high), orange (medium), yellow (low b), brown (low a), blue (very low b), purple (very low a), pink (present), and green (not present). For a list of cell count data providers and a key to the cell concentration categories, please see the HABFS bulletin guide:

[http://www.csc.noaa.gov/crs/habfs/habfs\\_bulletin\\_guide.pdf](http://www.csc.noaa.gov/crs/habfs/habfs_bulletin_guide.pdf)

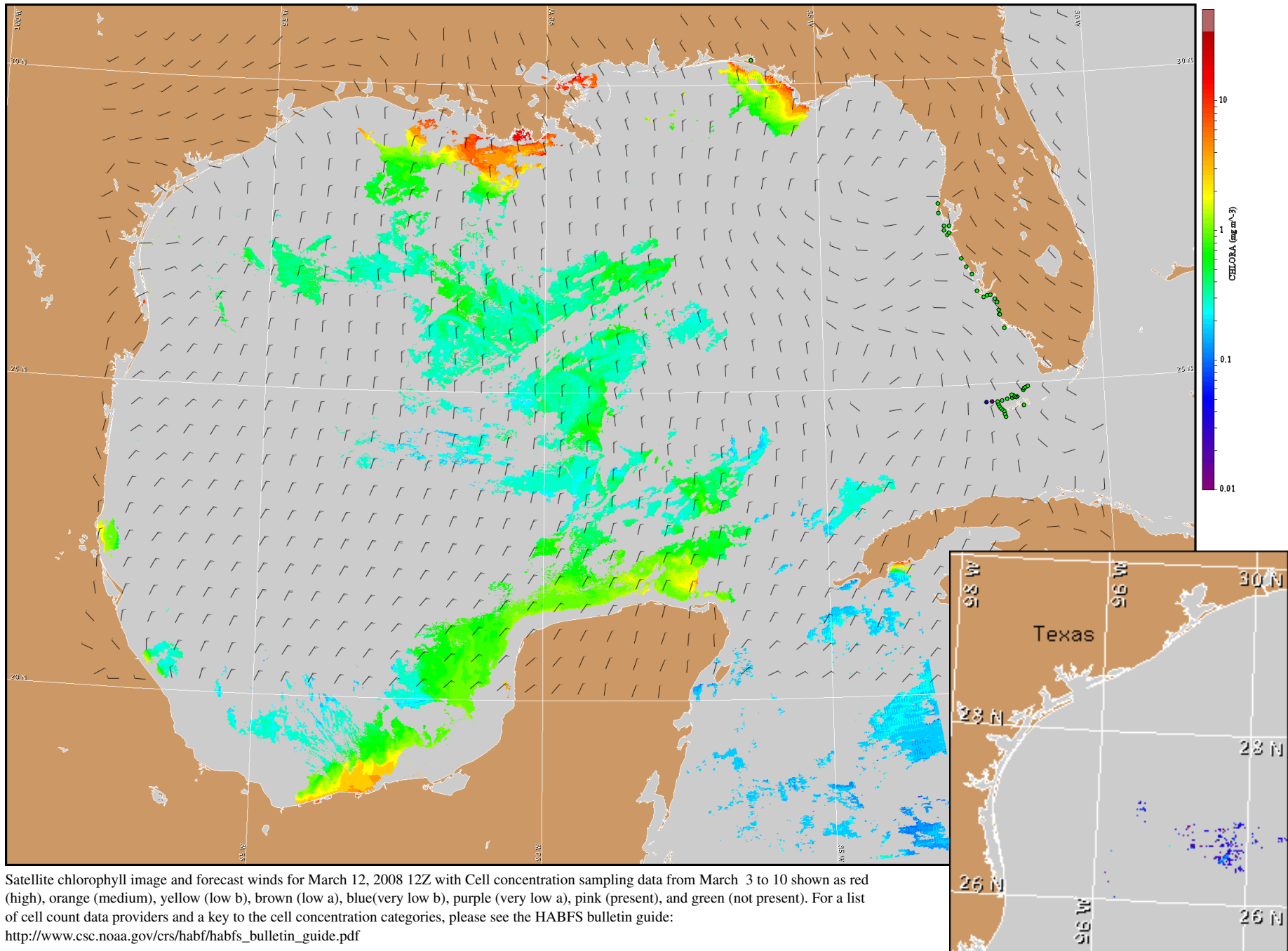


Wind speed and direction are averaged over 12 hours from buoy measurements. Length of line indicates speed; angle indicates direction. Red indicates that the wind direction favors upwelling near the coast. Values to the left of the dotted vertical line are measured values; values to the right are forecasts.

North winds today around 15 knots will shift to east winds tonight diminishing to 5 knots by tomorrow. Tomorrow night will shift again to southeast at 10 - 15 knots through Thursday.

Please note the following restrictions on all SeaWiFS imagery derived from CoastWatch.

1. Data are restricted to civil marine applications only; i.e. federal, state, and local government use/distribution is permitted.
2. Image products may be published in newspapers. Any other publishing arrangements must receive GeoEye approval via the CoastWatch Program.



Verified and suspected HAB areas shown in red. Other areas of high chlorophyll concentration shown in yellow (see p. 1 analysis for interpretation).